

#2

OIPE

## RAW SEQUENCE LISTING

DATE: 07/24/2001

PATENT APPLICATION: US/09/899,471

TIME: 11:39:16

Input Set : A:\00-46.SEQ.txt

Output Set: N:\CRF3\07242001\I899471.raw

4 <110> APPLICANT: Gao, Zeren  
 6 <120> TITLE OF INVENTION: Murine Cytokine Receptor  
 8 <130> FILE REFERENCE: 00-46  
 C--> 10 <140> CURRENT APPLICATION NUMBER: US/09/899,471  
 C--> 10 <141> CURRENT FILING DATE: 2001-07-05

10 <160> NUMBER OF SEQ ID NOS: 8  
 12 <170> SOFTWARE: FastSEQ for Windows Version 3.0  
 14 <210> SEQ ID NO: 1  
 15 <211> LENGTH: 2256  
 16 <212> TYPE: DNA  
 17 <213> ORGANISM: mouse  
 19 <220> FEATURE:  
 20 <221> NAME/KEY: CDS  
 21 <222> LOCATION: (197)...(2218)  
 23 <400> SEQUENCE: 1

ENTERED

24	aaatcgaaag cactccagct gaaactgggc ctggagtcca ggctcactgg agtggggaag	60
25	catggctgga gaggaattct agcccttgct ctctcccagg gacacggggc tgattgtcag	120
26	caggggagag ggggtctgccc ccccttgggg gggcaggacg gggcctcagg cctgggtgct	180
27	gtccggcacc tggaag atg cct gtg tcc tgg ttc ctg ctg tcc ttg gca ctg	232
28	Met Pro Val Ser Trp Phe Leu Leu Ser Leu Ala Leu	
29	1 5 10	
31	ggc cga aac cct gtg gtc gtc tct ctg gag aga ctg atg gag cct cag	280
32	Gly Arg Asn Pro Val Val Val Ser Leu Glu Arg Leu Met Glu Pro Gln	
33	15 20 25	
35	gac act gca cgc tgc tct cta ggc ctc tcc tgc cac ctc tgg gat ggt	328
36	Asp Thr Ala Arg Cys Ser Leu Gly Leu Ser Cys His Leu Trp Asp Gly	
37	30 35 40	
39	gac gtg ctc tgc ctg cct gga agc ctc cag tct gcc cca ggc cct gtg	376
40	Asp Val Leu Cys Leu Pro Gly Ser Leu Gln Ser Ala Pro Gly Pro Val	
41	45 50 55 60	
43	cta gtg cct acc cgc ctg cag acg gag ctg gtg ctg agg tgt cca cag	424
44	Leu Val Pro Thr Arg Leu Gln Thr Glu Leu Val Leu Arg Cys Pro Gln	
45	65 70 75	
47	aag aca gat tgc gcc ctc cgt gtc cgt gtg gtg gtc cac ttg gcc gtg	472
48	Lys Thr Asp Cys Ala Leu Arg Val Arg Val Val Val His Leu Ala Val	
49	80 85 90	
51	cat ggg cac tgg gca gag cct gaa gaa gct gga aag tct gat tca gaa	520
52	His Gly His Trp Ala Glu Pro Glu Glu Ala Gly Lys Ser Asp Ser Glu	
53	95 100 105	
55	ctc cag gag tct agg aac gcc tct ctc cag gcc cag gtg gtg ctc tcc	568
56	Leu Gln Glu Ser Arg Asn Ala Ser Leu Gln Ala Gln Val Val Leu Ser	
57	110 115 120	
59	ttc cag gcc tac ccc atc gcc cgc tgt gcc ctg ctg gag gtc cag gtg	616
60	Phe Gln Ala Tyr Pro Ile Ala Arg Cys Ala Leu Leu Glu Val Gln Val	
61	125 130 135 140	
63	ccc gct gac ctg gtg cag cct ggt cag tcc gtg ggt tct gcg gta ttt	664
64	Pro Ala Asp Leu Val Gln Pro Gly Gln Ser Val Gly Ser Ala Val Phe	

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65		145		150		155		
67	gac tgt ttc gag gct agt ctt ggg gct gag gta cag atc tgg tcc tac							712
68	Asp Cys Phe Glu Ala Ser Leu Gly Ala Glu Val Gln Ile Trp Ser Tyr							
69		160		165		170		
71	acg aag ccc agg tac cag aaa gag ctc aac ctc aca cag cag ctg cct							760
72	Thr Lys Pro Arg Tyr Gln Lys Glu Leu Asn Leu Thr Gln Gln Leu Pro							
73		175		180		185		
75	gat ggt gac aat gtc ctt ctg aca ctg gat gtc tct gag gag cag gac							808
76	Asp Gly Asp Asn Val Leu Leu Thr Leu Asp Val Ser Glu Glu Gln Asp							
77		190		195		200		
79	ttt agc ttc tta ctg tac ctg cgt cca gtc ccg gat gct ctc aaa tcc							856
80	Phe Ser Phe Leu Leu Tyr Leu Arg Pro Val Pro Asp Ala Leu Lys Ser							
81	205		210		215		220	
83	ttg tgg tac aaa aac ctg act gga cct cag aac att act tta aac cac							904
84	Leu Trp Tyr Lys Asn Leu Thr Gly Pro Gln Asn Ile Thr Leu Asn His							
85		225		230		235		
87	aca gac ctg gtt ccc tgc ctc tgc att cag gtg tgg tcg cta gag cca							952
88	Thr Asp Leu Val Pro Cys Leu Cys Ile Gln Val Trp Ser Leu Glu Pro							
89		240		245		250		
91	gac tct gag agg gtc gaa ttc tgc ccc ttc cgg gaa gat ccc ggt gca							1000
92	Asp Ser Glu Arg Val Glu Phe Cys Pro Phe Arg Glu Asp Pro Gly Ala							
93		255		260		265		
95	cac agg aac ctc tgg cac ata gcc agg ctg cgg gta ctg tcc cca ggg							1048
96	His Arg Asn Leu Trp His Ile Ala Arg Leu Arg Val Leu Ser Pro Gly							
97		270		275		280		
99	gta tgg cag cta gat gcg cct tgc tgt ctg ccg ggc aag gta aca ctg							1096
100	Val Trp Gln Leu Asp Ala Pro Cys Cys Leu Pro Gly Lys Val Thr Leu							
101		285		290		295		300
103	tgc tgg cag gca cca gac cag agt ccc tgc cag cca ctt gtg cca cca							1144
104	Cys Trp Gln Ala Pro Asp Gln Ser Pro Cys Gln Pro Leu Val Pro Pro							
105		305		310		315		
107	gtg ccc cag aag aac gcc act gtg aat gag cca caa gat ttc cag ttg							1192
108	Val Pro Gln Lys Asn Ala Thr Val Asn Glu Pro Gln Asp Phe Gln Leu							
109		320		325		330		
111	gtg gca ggc cac ccc aac ctc tgt gtc cag gtg agc acc tgg gag aag							1240
112	Val Ala Gly His Pro Asn Leu Cys Val Gln Val Ser Thr Trp Glu Lys							
113		335		340		345		
115	gtt cag ctg caa gcg tgc tcg tgg gct gac tcc ttg ggg ccc ttc aag							1288
116	Val Gln Leu Gln Ala Cys Ser Trp Ala Asp Ser Leu Gly Pro Phe Lys							
117		350		355		360		
119	gat gat atg ctg tta gtg gag atg aaa acc ggc ctc aac aac aca tca							1336
120	Asp Asp Met Leu Leu Val Glu Met Lys Thr Gly Leu Asn Asn Thr Ser							
121		365		370		375		380
123	gtc tgt gcc ttg gaa ccc agt ggc tgt aca cca ctg ccc agc atg gcc							1384
126	Val Cys Ala Leu Glu Pro Ser Gly Cys Thr Pro Leu Pro Ser Met Ala							
127		385		390		395		
129	tcc acg aga gct gct cgc ctg gga gag gag ttg ctg caa gac ttc cga							1432
130	Ser Thr Arg Ala Ala Arg Leu Gly Glu Glu Leu Leu Gln Asp Phe Arg							
131		400		405		410		

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133	tca	cac	cag	tgt	atg	cag	ctg	tgg	aac	gat	gac	aac	atg	gga	tcg	cta	1480
134	Ser	His	Gln	Cys	Met	Gln	Leu	Trp	Asn	Asp	Asp	Asn	Met	Gly	Ser	Leu	
135			415					420					425				
137	tgg	gcc	tgc	ccc	atg	gac	aag	tac	atc	cac	agg	cgc	tgg	gtc	cta	gta	1528
138	Trp	Ala	Cys	Pro	Met	Asp	Lys	Tyr	Ile	His	Arg	Arg	Trp	Val	Leu	Val	
139			430					435					440				
141	tgg	ctg	gcc	tgc	cta	ctc	ttg	gct	gcg	gcg	ctt	ttc	ttc	ttc	ctc	ctt	1576
142	Trp	Leu	Ala	Cys	Leu	Leu	Leu	Ala	Ala	Ala	Leu	Phe	Phe	Phe	Leu	Leu	
143	445							450					455			460	
145	cta	aaa	aag	gac	cgc	agg	aaa	gcg	gcc	cgt	ggc	tcc	cgc	acg	gcc	ttg	1624
146	Leu	Lys	Lys	Asp	Arg	Arg	Lys	Ala	Ala	Arg	Gly	Ser	Arg	Thr	Ala	Leu	
147								465					470			475	
149	ctc	ctc	cac	tcc	gcc	gac	gga	gcg	ggc	tac	gag	cgt	ctg	gtg	gga	gca	1672
150	Leu	Leu	His	Ser	Ala	Asp	Gly	Ala	Gly	Tyr	Glu	Arg	Leu	Val	Gly	Ala	
151								480					485			490	
153	ctg	gcg	tcc	gcg	ttg	agc	cag	atg	cca	ctg	cgc	gtg	gcc	gtg	gac	ctg	1720
154	Leu	Ala	Ser	Ala	Leu	Ser	Gln	Met	Pro	Leu	Arg	Val	Ala	Val	Asp	Leu	
155								495					500			505	
157	tgg	agc	cgc	cgc	gag	ctg	agc	gcg	cac	gga	gcc	cta	gcc	tgg	ttc	cac	1768
158	Trp	Ser	Arg	Arg	Glu	Leu	Ser	Ala	His	Gly	Ala	Leu	Ala	Trp	Phe	His	
159								510					515			520	
161	cac	cag	cga	cgc	cgt	atc	ctg	cag	gag	ggt	ggc	gtg	gta	atc	ctt	ctc	1816
162	His	Gln	Arg	Arg	Arg	Ile	Leu	Gln	Glu	Gly	Gly	Val	Val	Ile	Leu	Leu	
163	525							530					535			540	
165	ttc	tcg	ccc	gcg	gcc	gtg	gcg	cag	tgt	cag	cag	tgg	ctg	cag	ctc	cag	1864
166	Phe	Ser	Pro	Ala	Ala	Val	Ala	Gln	Cys	Gln	Gln	Trp	Leu	Gln	Leu	Gln	
167								545					550			555	
169	aca	gtg	gag	ccc	ggg	ccg	cat	gac	gcc	ctc	gcc	gcc	tgg	ctc	agc	tgc	1912
170	Thr	Val	Glu	Pro	Gly	Pro	His	Asp	Ala	Leu	Ala	Ala	Trp	Leu	Ser	Cys	
171								560					565			570	
173	gtg	cta	ccc	gat	ttc	ctg	caa	ggc	cgg	gcg	acc	ggc	cgc	tac	gtc	ggg	1960
174	Val	Leu	Pro	Asp	Phe	Leu	Gln	Gly	Arg	Ala	Thr	Gly	Arg	Tyr	Val	Gly	
175								575					580			585	
177	gtc	tac	ttc	gac	ggg	ctg	ctg	cac	cca	gac	tct	gtg	ccc	tcc	ccg	ttc	2008
178	Val	Tyr	Phe	Asp	Gly	Leu	Leu	His	Pro	Asp	Ser	Val	Pro	Ser	Pro	Phe	
179								590					595			600	
181	cgc	gtc	gcc	ccg	ctc	ttc	tcc	ctg	ccc	acg	cag	ctg	ccg	gct	ttc	ctg	2056
182	Arg	Val	Ala	Pro	Leu	Phe	Ser	Leu	Pro	Thr	Gln	Leu	Pro	Ala	Phe	Leu	
183	605							610					615			620	
185	gat	gca	ctg	cag	gga	ggc	tgc	tcc	act	tcc	gcg	ggg	cga	ccc	gcg	gac	2104
188	Asp	Ala	Leu	Gln	Gly	Gly	Cys	Ser	Thr	Ser	Ala	Gly	Arg	Pro	Ala	Asp	
189								625					630			635	
191	cgg	gtg	gaa	cga	gtg	acc	cag	gcg	ctg	cgg	tcc	gcc	ctg	gac	agc	tgt	2152
192	Arg	Val	Glu	Arg	Val	Thr	Gln	Ala	Leu	Arg	Ser	Ala	Leu	Asp	Ser	Cys	
193								640					645			650	
195	act	tct	agc	tcg	gaa	gcc	cca	ggc	tgc	tgc	gag	gaa	tgg	gac	ctg	gga	2200
196	Thr	Ser	Ser	Ser	Glu	Ala	Pro	Gly	Cys	Cys	Glu	Glu	Trp	Asp	Leu	Gly	
197								655					660			665	
199	ccc	tgc	act	aca	cta	gaa	taaaagccga	tacagtatttc	ctaaaaaaaa								2248

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Output Set: N:\CRF3\07242001\I899471.raw

```

200  Pro Cys Thr Thr Leu Glu
201      670
203  aaaaaaaaaa
205  <210> SEQ ID NO: 2
206  <211> LENGTH: 674
207  <212> TYPE: PRT
208  <213> ORGANISM: mouse
210  <400> SEQUENCE: 2
211  Met Pro Val Ser Trp Phe Leu Leu Ser Leu Ala Leu Gly Arg Asn Pro
212      1          5          10          15
213  Val Val Val Ser Leu Glu Arg Leu Met Glu Pro Gln Asp Thr Ala Arg
214      20          25          30
215  Cys Ser Leu Gly Leu Ser Cys His Leu Trp Asp Gly Asp Val Leu Cys
216      35          40          45
217  Leu Pro Gly Ser Leu Gln Ser Ala Pro Gly Pro Val Leu Val Pro Thr
218      50          55          60
219  Arg Leu Gln Thr Glu Leu Val Leu Arg Cys Pro Gln Lys Thr Asp Cys
220      65          70          75          80
221  Ala Leu Arg Val Arg Val Val Val His Leu Ala Val His Gly His Trp
222      85          90          95
223  Ala Glu Pro Glu Glu Ala Gly Lys Ser Asp Ser Glu Leu Gln Glu Ser
224      100         105         110
225  Arg Asn Ala Ser Leu Gln Ala Gln Val Val Leu Ser Phe Gln Ala Tyr
226      115         120         125
227  Pro Ile Ala Arg Cys Ala Leu Leu Glu Val Gln Val Pro Ala Asp Leu
228      130         135         140
229  Val Gln Pro Gly Gln Ser Val Gly Ser Ala Val Phe Asp Cys Phe Glu
230      145         150         155         160
231  Ala Ser Leu Gly Ala Glu Val Gln Ile Trp Ser Tyr Thr Lys Pro Arg
232      165         170         175
233  Tyr Gln Lys Glu Leu Asn Leu Thr Gln Gln Leu Pro Asp Gly Asp Asn
234      180         185         190
235  Val Leu Leu Thr Leu Asp Val Ser Glu Glu Gln Asp Phe Ser Phe Leu
236      195         200         205
237  Leu Tyr Leu Arg Pro Val Pro Asp Ala Leu Lys Ser Leu Trp Tyr Lys
238      210         215         220
239  Asn Leu Thr Gly Pro Gln Asn Ile Thr Leu Asn His Thr Asp Leu Val
240      225         230         235         240
241  Pro Cys Leu Cys Ile Gln Val Trp Ser Leu Glu Pro Asp Ser Glu Arg
242      245         250         255
243  Val Glu Phe Cys Pro Phe Arg Glu Asp Pro Gly Ala His Arg Asn Leu
244      260         265         270
245  Trp His Ile Ala Arg Leu Arg Val Leu Ser Pro Gly Val Trp Gln Leu
246      275         280         285
247  Asp Ala Pro Cys Cys Leu Pro Gly Lys Val Thr Leu Cys Trp Gln Ala
248      290         295         300
249  Pro Asp Gln Ser Pro Cys Gln Pro Leu Val Pro Pro Val Pro Gln Lys
250      305         310         315         320
251  Asn Ala Thr Val Asn Glu Pro Gln Asp Phe Gln Leu Val Ala Gly His

```

2256

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/899,471

DATE: 07/24/2001

TIME: 11:39:17

Input Set : A:\00-46.SEQ.txt

Output Set: N:\CRF3\07242001\I899471.raw

```

252          325          330          335
253 Pro Asn Leu Cys Val Gln Val Ser Thr Trp Glu Lys Val Gln Leu Gln
254          340          345          350
255 Ala Cys Ser Trp Ala Asp Ser Leu Gly Pro Phe Lys Asp Asp Met Leu
256          355          360          365
257 Leu Val Glu Met Lys Thr Gly Leu Asn Asn Thr Ser Val Cys Ala Leu
258          370          375          380
259 Glu Pro Ser Gly Cys Thr Pro Leu Pro Ser Met Ala Ser Thr Arg Ala
260          385          390          395          400
261 Ala Arg Leu Gly Glu Glu Leu Leu Gln Asp Phe Arg Ser His Gln Cys
262          405          410          415
263 Met Gln Leu Trp Asn Asp Asp Asn Met Gly Ser Leu Trp Ala Cys Pro
264          420          425          430
265 Met Asp Lys Tyr Ile His Arg Arg Trp Val Leu Val Trp Leu Ala Cys
266          435          440          445
267 Leu Leu Leu Ala Ala Ala Leu Phe Phe Phe Leu Leu Leu Lys Lys Asp
268          450          455          460
269 Arg Arg Lys Ala Ala Arg Gly Ser Arg Thr Ala Leu Leu Leu His Ser
270          465          470          475          480
271 Ala Asp Gly Ala Gly Tyr Glu Arg Leu Val Gly Ala Leu Ala Ser Ala
272          485          490          495
273 Leu Ser Gln Met Pro Leu Arg Val Ala Val Asp Leu Trp Ser Arg Arg
274          500          505          510
275 Glu Leu Ser Ala His Gly Ala Leu Ala Trp Phe His His Gln Arg Arg
276          515          520          525
277 Arg Ile Leu Gln Glu Gly Gly Val Val Ile Leu Leu Phe Ser Pro Ala
278          530          535          540
279 Ala Val Ala Gln Cys Gln Gln Trp Leu Gln Leu Gln Thr Val Glu Pro
280          545          550          555          560
281 Gly Pro His Asp Ala Leu Ala Ala Trp Leu Ser Cys Val Leu Pro Asp
282          565          570          575
283 Phe Leu Gln Gly Arg Ala Thr Gly Arg Tyr Val Gly Val Tyr Phe Asp
284          580          585          590
285 Gly Leu Leu His Pro Asp Ser Val Pro Ser Pro Phe Arg Val Ala Pro
286          595          600          605
287 Leu Phe Ser Leu Pro Thr Gln Leu Pro Ala Phe Leu Asp Ala Leu Gln
288          610          615          620
289 Gly Gly Cys Ser Thr Ser Ala Gly Arg Pro Ala Asp Arg Val Glu Arg
290          625          630          635          640
291 Val Thr Gln Ala Leu Arg Ser Ala Leu Asp Ser Cys Thr Ser Ser Ser
292          645          650          655
293 Glu Ala Pro Gly Cys Cys Glu Glu Trp Asp Leu Gly Pro Cys Thr Thr
294          660          665          670
295 Leu Glu
297 <210> SEQ ID NO: 3
298 <211> LENGTH: 2022
299 <212> TYPE: DNA
300 <213> ORGANISM: Artificial Sequence
302 <220> FEATURE:

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Use of n and/or Xaa has been detected in the Sequence Listing.  
 Review the Sequence Listing to insure a corresponding  
 explanation is presented in the <220> to <223> fields of  
 each sequence using n or Xaa.

## VERIFICATION SUMMARY

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Input Set : A:\00-46.SEQ.txt

Output Set: N:\CRF3\07242001\I899471.raw

L:10 M:270 C: Current Application Number differs, Replaced Current Application No

L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:311 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3

L:312 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3

L:313 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3

L:314 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3

L:315 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3

L:316 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3

L:317 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3

L:318 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3

L:319 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3

L:320 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3

L:321 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3

L:322 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3

L:323 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3

L:324 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3

L:325 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3

L:326 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3

L:327 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3

L:328 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3

L:329 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3

L:330 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3

L:331 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3

L:332 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3

L:333 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3

L:334 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3

L:335 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3

L:336 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3

L:337 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3

L:338 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3

L:339 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3

L:340 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3

L:341 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3

L:342 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3

L:343 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3

L:344 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3

L:652 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6

L:653 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6

L:654 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6

L:655 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6

L:656 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6

L:657 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6

L:658 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6

L:659 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6

L:660 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6

L:661 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6

L:662 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6

L:663 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6

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TIME: 11:39:18

Input Set : A:\00-46.SEQ.txt

Output Set: N:\CRF3\07242001\I899471.raw

L:664 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6  
L:665 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6  
L:666 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6  
L:667 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6  
L:668 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6  
L:669 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6  
L:670 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6  
L:671 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6  
L:672 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6  
L:673 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6  
L:674 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6  
L:675 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6  
L:676 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6  
L:677 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6  
L:678 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6  
L:679 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6  
L:680 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6  
L:681 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6  
L:682 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6  
L:683 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6  
L:684 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6  
L:685 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6  
L:686 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6